NAME OF THE PROJECT : CONSTRUCTION OF SAMUDHAYA BHAVANA AT BEST COLONY III AND PROVIDING GYM EQUIPMENTS AT BEST COLONY III IN WARD NO.68 UNDER ARAVANKADU SUB DIVISION

SOR BANGALORE

Sl No	Description of item	Unit	No	L	B	D	Qty	Estimate Cost Rs. Rate	Amount
									637600.00
1	Geophysical investigation of site for locating Borewell for supplying drinking water to the habitations either through the hand pumps, MWS of P W S S by vertical electrical sounding by adopting Venner or Schlumberger's method including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality, 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc. as per Specification and direction (P.48, I, 9.4) PRED.SR 2012-13	Each BW						1	1882.00	1882.00
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.) P. 46 / I. 9.1 PRED SR 2012-13 **0 to 50 m**	Rmtr	1	50.00			50.00	315.18	15759.00
3	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.) P. 46 / I. 9.1 PRED SR 2012-13 **50 to 100 m**	Rmtr	1	50.00			50.00	412.00	20600.00

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Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13 **100 to 150 m**	Rmtr	1	50.00			**50.00**	458.35	**22918.00**
5	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13 **150 to 200 m**	Rmtr	1	50.00			**50.00**	484.10	**24205.00**
6	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13 **200 to 250 m**	Rmtr	1	50.00			**50.00**	560.32	**28016.00**
7	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13 **250 to 300 m**	Rmtr	1	50.00			**50.00**	600.49	**30025.00**

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Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty **P. iii, I No. 84 PRED SR 2012-13**	Rmtr							
			1	70.00			**70.00**	1325.00	**92750.00**
9	Providing 250mm dia PVC Pipe 6kg/cm **BWSSB SR 2014-15 Page No. 53, Item No. 1(ii)**	Rmtr							
			1	18.00			**18.00**	1100.00	**19800.00**
10	Providing and fixing 160mm Borewell Cap **P. iii, I No. 85 PRED SR 2012-13**	Each							
			1				**1**	100.00	**100.00**
11	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 12.50 HP 25 stage. ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps **PWD SR 2015-16 P. XXXX Item No. 24 including of all taxes(12.5 HP 25 Stage)**	No	1				**1**	60400.00	**60400.00**
12	KSRB 13.3.6: Providing and fixing in trenches galvanised / mild steel tubes (medium grade) **50mm** dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour, charges HOM of equipments complete as per specifications. Specification No. KBS 13.2.14 /13.6 **Page No. 90 / Item No. 13.15 / PWD SR 2015-16**	M							
			1	260.00			**260.00**	431.00	**112060.00**

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Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
13	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of **GROUP-A. P. No. 12 / 1 No. 2.10.4(1) 3C x 4 Sqm mm KPWD Electrical SR 2014-15**	Mtr							
			2x1	270.00			**540.00**	126.70	**68418.00**
14	Labour charges for erection as new /repaired submercible pumpset allong with Gl pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) **Page No. 558, Items No-3 BWSSB SR for 2014-15)**	Per Length							
	(780/6)=130.00		1	130.00			**130**	88.00	**11440.00**
15	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., **P No. 44 / I No. 6.6.6 KPWD Electrical SR 2014-15**	Each							
			1				**1**	302.00	**302.00**
16	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A **P No. 55/ I No. 7.4.4 4 core 16 Sqmm KPWD Electrical SR 2014-15**	Mtr							
			1	30.00			**30.00**	140.40	**4212.00**
17	Labour charges for laying of 1.1 KV class UG cable in existing trench Gl pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. **P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15**	Mtr							
			1	30.00			**30.00**	10.80	**324.00**
18	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) **P No. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-15**	Mtr							
	For Cutting Road Surface		1	25.00			**25.00**	85.00	**2125.00**

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Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
19	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV **P. No. 62 / 1 No. 7.12.1 KPWD Electrical SR 2014-15**	Mtr							
	40mm dia GI pipe		1	4.00			**4.00**	345.00	**1380.00**
20	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals. clamps. bolts. nuts and washers etc.. **P. No. 62 / 1.No. 7.13.2 KPWD Electrical SR 2014-15**	No.							
	16Sqmm		1				**1.00**	280.00	**280.00**
21	Supplying. fixing. wiring. earth electrode for grounding conduits. I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc.. is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts. nuts. washers and check nuts etc.. the pipe shall have 16 through holes of 122 mm dia. **(P No. 55, 1 No. 7.1) KPWD Electrical SR 2014-15**	No							
			1				**1**	2727.00	**2727.00**
22	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts. bolts and washers.**P No. 44 / 1 No. 6.7.2 KPWD Electrical SR 2014-15**	No.							
	32 Amps		1x6				**6**	180.00	**1080.00**
23	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials. labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13 **Page No. 90 Item No. 13.55 / PWD SR 2015-16 50 mm dia**	Nos							
			1				**1**	1579.40	**1579.00**
	Basic Rate	1490.00							
	Area Weightage @ 6%	89.40							
	Total	**1579.40**							
24	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials. fixtures and conveyance to work spot etc.. complete. **P. No. 92 / I. No. 13.81.3 PWD SR 2014-15**	No							
			1				**1**	227.90	**228.00**
	50mm dia	215.00							
	Basic Rate	12.90							
	Area Weightage @ 6%	**227.90**							
	Total								

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Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
25	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete **P. XXXVII PWD SR 2015-16**	No							
			1	4.00			4	104.30	**417.00**
26	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C" Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. **5-32Amps Group A TPN P No. 47 / 1 No.6.16.5 KPWD SR 2014-15**	No							
			1				1	1547.00	**1547.00**
27	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete **P.No. 57, I. No. 6.41.2 KPWD Electrical SR 2014-15**	Sq.Cm							
	16SWG		2x1	120.00	60.00		14400.00		
			1	360.00	25.00		9000.00		
							23400.00	0.33	**7722.00**
28	Supplying fully automatic store detta starer unit push button type with suitable wires three contractors one adjustable termal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3pase and wired offter fixing to the wooden board for motor upto **12.50 HP (KPWD electrical SR for 2014-15 Page No. 44 Item No. 6.2.1)**	No.							
			1				1	6583.00	**6583.00**

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Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
29	Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole. **Page No. 01/ Item No.1.2.2 / PRED SR 2012-13 Hard Soil**	Cum							
			1	250.00	0.60	0.75	112.50		
							112.50	188.00	**21150.00**
30	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., **Page No.15 item No.3.4.2 b PRED SR 2012-13.**	Rmtr							
	75 mm dia 6 KSC PVC pipe		1	250.00			250.00		
							250.00	157.00	**39250.00**
31	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs **Page No. 3 / Item No. 1.6 / PRED SR 2012-13**	Cum							
			Qty. Vide Item No. 27				**112.50**	61.00	**6863.00**
	Basic Rate	61.00							
32	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **50mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 **P. 92 / 1.13.37 PWD SR - 2015-16**	Each							
			3				**3**	2120.00	**6360.00**
	Basic Rate	2000.00							
	Area Weightage @ 6%	120.00							
	Total	**2120.00**							**612502.00**
	Sub Total								**20000.00**
	BESCOM Deposit for Borewell	L/S	1	20000.00					**4998.00**
	Miscellaneous and Unforeseen Charges	L/S						Total	**637500.00**

(Rupees Six Lakhs Thirty SevenThousand five Hundred Only)

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20,PRED 2012-13, SE-RDED approved Rate and Issused Rates

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP
6/12/19

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: CONSTRUCTION OF SAMUDHAYA BHAVANA AT BEST COUNTY-III AND PROVIDING GYM EQUIPMENTS AT BEST COUNTY-II IN WARD NO.03 YELAHANKA SUB DIVISION

5) ELECTRICAL WORK — Estimation Cost.Rs 264788.065

Sl. no	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
			PART A : INTERNAL WIRING SYSTEM				
1			Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5Sqmm(phase &Netural) &1X1.0 Sqmm (Earth Wire) FRLSmultistrand PVC insulated ,2x1.5sqmm copper confirming to the GTP With a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box .the other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet.				
			Best county 1 & 2				6000
a	Pg 5	Item 2.1.1a	Short point upto 3m	Point	30	200.00	6875
b	Pg 5	Item 2.1.2a	Medium point above 3m - 6m	Point	25	275.00	
2	Pg 2	Item 1.2	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, abhesive paste ets, and **running befour concreting and slab.** The conduit should de tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire whereever necessary				
			Best county 1&2				20422.15
c	Pg 2	Item 1.2.3	32mm dia, 2mm thick	Mtr	246.05	83.00	
3	pg 2	item 1.2	**Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.**				
			Best county 1 & 2				8000
a	Pg 2	Item 1.2.1	**19/20mm dia, 2mm thick**	Mtr	200	40.00	21200
b	Pg 2	Item 1.2.2	**25mm dia, 2mm thick**	Mtr	400	53.00	
4	pg 9	item 3.4	**Supplying and flush modular poweder coated / galvanized metal box suitable for mounting modular switch plates. the box should be firmil flush mounted after due groove cutting in brick /stone/C.C wall**				
			Best county 1 & 2				2850
a	Pg 9	item 3.4.1	**1 - 3 Way**	Each	30	95.00	2625
b	Pg 9	item 3.4.2	**4 - 5 Way**	Each	25	105.00	
5	pg 9	Item 3.1	**Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 .**				
			Best county 1&2				660
a	Pg 9	Item 3.1.2	**6AMP 3/5 and Switch**	Each	5	132.00	
6	pg 9	item 3.2	**Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293**	Each	6	132.00	792
7	pg 15	item 3.3	**Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854**			132.00	
			Best county 1 & 2			132.00	4092
	a	3.3.4	**16Amps Combined switch and socket with indication**	No	31	132.00	
8			**Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements.**				

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: CONSTRUCTION OF SAMUDHAYA BHAVANA AT BEST COUNTY-III AND PROVIDING GYM EQUIPMENTS AT BEST COUNTY-II IN WARD NO.03 YELAHANKA SUB DIVISION

4: ELECTRICAL WORK

Estimation Cost,Rs 264788.065

Sl. no	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
			PART A : INTERNAL WIRING SYSTEM				
1			Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5Sqmm(phase &Netural) &1X1.0 Sqmm (Earth Wire) FRLSmultistrand PVC insulated ,2x1.5sqmm copper confirming to the GTP With a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box .the other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet.				
			Best county 1 & 2				
a	Pg 5	Item 2.1.1a	Short point upto 3m	Point	30	200.00	6000
b	Pg 5	Item 2.1.2a	Medium point above 3m - 6m	Point	25	275.00	6875
2	Pg 2	Item 1.2	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, abhesive paste ets, and **running befour concreting and slab.** The conduit should de tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire whereever necessary				
			Best county 1&2				
c	Pg 2	Item 1.2.3	32mm dia, 2mm thick	Mtr	246.05	83.00	20422.15
3	pg 2	item 1.2	**Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.**				
			Best county 1 & 2				
a	Pg 2	Item 1.2.1	**19/20mm dia, 2mm thick**	**Mtr**	**200**	**40.00**	**8000**
b	Pg 2	Item 1.2.2	**25mm dia, 2mm thick**	**Mtr**	**400**	**53.00**	**21200**
4	pg 9	item 3.4	**Supplying and flush modular poweder coated / galvanized metal box suitable for mounting modular switch plates. the box should be firmil flush mounted after due groove cutting in brick /stone/C.C wall**				
			Best county 1 & 2				
a	Pg 9	item 3.4.1	**1 - 3 Way**	Each	**30**	**95.00**	**2850**
b	Pg 9	item 3.4.2	**4 - 5 Way**	Each	**25**	**105.00**	**2625**
5	pg 9	Item 3.1	**Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 .**				
			Best county 1&2				
a	Pg 9	Item 3.1.2	**6AMP 3/5 and Switch**	Each	**5**	**132.00**	**660**
6	pg 9	item 3.2	**Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293**	Each	**6**	**132.00**	**792**
7	pg 15	item 3.3	**Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854**			**132.00**	
			Best county 1 & 2			**132.00**	
	a	3.3.4	**16Amps Combined switch and socket with indication**	**No**	**31**	**132.00**	**4092**
8			**Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements.**				

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Sl. no	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
			Best county 1 &2				
b	Pg 6	Item 2.5.3	2.5sqmm	Mtr	177.219	32.00	5671.008
c	pg 6	item 2.5.4	4sqmm	Mtr	1203.8	45.00	54157.5
			DISTRIBUTION BOARDS				
10	pg 27	item 5.18	Supplying and fixing of Group A, regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB'S single phase/ 3 phase / single door with powder coated painting made out of SWG MS enclosute				
			Best county 1 &2				
b	pg 28	item 5.18.4	12 way SP & N	Nos	6	1210	7260
11	pg 47	item 6.16	Supply and fixing miniature circuit breakers on the existing MCB distribution boards using necessary fixing meterials and "C" type curve, Indiator ON/OFF energy cross -3 with as required confirming to IEC 60898				
			Best county 1 &2				
a	pg 47	itme 6.16.3	5-32 AMPS DP	Nos	9	909	8181
			TOTAL				148785.658
			PART B : EARTHING				
12	Pg 55	Item 7.1	Supplying, fixing and wiring earth electrode for grounding conduits , I.C. cutouts and others equipments on the meter board using 40mm dia 2.90mm long buried in a pit.. the pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit ect, is to be established through GI wire of size as ISI specification 7.3.3 of IS 732 using 12mm dia bolt, nut, washers and check nuts ect... the pipe shall have 16 through holes of 122mm dia,	No	2	2999.70	5999.4
			Supplying and running of GI/ copper strips for grounding connections, using necessary fixing materials as required.				
a	Pg 55	Item 7.3.1	25 x 3mm G.I strip	Mtr	94.8	75.00	7110
			TOTAL				13109.4
			PART D : LIGHT FIXTURES				
13	Pg 69	item 12.4.2	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting	Nos	16	300.00	4800
14	Pg 46	Item 7.3	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles, single phase AC supply conforming to ISS-374-1979 and with double ball bearing system				
			Best county 1&2	Each	12	2090.00	25080
a	Pg 46	item 7.3.1	48" sweep (1200mm)				29880
			TOTAL			GRAND TOTAL	191775.058
						ADD 12% GST	23013.00696
						Bescom Charges	50000
						Sub Total	264788.065

CERTIFICATE

1) The work spot has been inspected and found to be necessary

2) The work spot comes under B.B.M.P

3) The provisions made in the estimate are necessary and minimum.

4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20,PRED 2012-13, SE-RDED approved Rate and Issused Rates.

Assistant Executive Engineer
BBMP

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

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